

# CLAIMS

1. A transaction coordinating device for coordinating an insertion of a spot transaction based on a temporary contract without respect to a fixed transaction based on a contract of predetermined term, wherein a transportation adjusting  
5 portion for arranging an insertion of cargo transportation relating to said spot transaction adjusting the predetermined schedule of cargoes transportation relating to said fixed transaction of predetermined term is provided.

2. A transaction adjusting device as claimed in claim 1, comprising a transportation data storing portion for storing data associated with said transportation, wherein said transportation adjusting portion arranges an insertion of a  
5 cargo transportation of said spot transaction based on data associated with said transportation transmitted from said transportation data storing portion.

3. A transaction coordinating device as claimed in claim 1, comprising a transportation data storing portion for storing data associated with said transportation and a conditions-of-transaction delivering portion for delivering conditions  
5 relating to said spot transaction from a party on one side of said spot transaction with respect to a party on the other side of said spot transaction, wherein said transportation adjusting portion arranges an insertion of cargo transportation of said spot transaction based on data associated with conditions of

10 said spot transaction transmitted from said conditions-of-transaction delivering portion and said transportation transmitted from said transportation data storing portion.

4. A transaction coordinating device as claimed in claim 1, wherein said transportation adjusting portion arranges an insertion of cargo transportation of said spot transaction without changing said transportation schedule, said  
5 transportation adjusting portion arranges an insertion of cargo transportation of said spot transaction by changing said transportation schedule in the event that the adjustment is impossible, said transportation adjusting portion arranges an insertion of cargo transportation of said spot transaction by  
10 changing another transportation schedule within a certain range in the event that the adjustment is impossible, and said transportation adjusting portion arranges an insertion of cargo transportation of said spot transaction by changing another transportation schedule within an range to which said certain  
15 range is expanded in the event that the adjustment is impossible.

5. A transaction coordinating device as claimed in claim 1, wherein said transaction commodity is liquefied natural gas and cases containing said liquefied natural gas transported on the sea or on road are used in said transportation.

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6. A transaction coordinating device as claimed in claim 5 for coordinating an insertion of cargo transportation of said spot

transaction based on at least predetermined number of days of  
operation and actually required minimum number of days of  
5 operation of said cases.

7. A transaction coordinating system comprising the  
transaction coordinating device as claimed in at least one of  
claims 1 through 6 and a terminal of a participant of said spot  
transaction connected to said transaction coordinating device  
5 via a communications circuit, wherein said spot transaction is  
conducted between said terminal operated by the participant of  
said spot transaction and said transaction coordinating device.

8. A transaction coordinating method applicable at inserting  
a spot transaction based on a temporary contract without  
respect to a fixed transaction based on a contract of  
predetermined term, wherein a schedule of cargo  
5 transportation relating to said fixed transaction is set and,  
concurrently, data associated with transportation is stored in  
advance, the data associated with said transportation is read in  
the event said spot transaction arises, and an insertion of cargo  
transportation relating to said spot transaction is arranged  
10 adjusting the schedule of cargoes transportation relating to  
said fixed transaction based on the read data associated with  
said transportation.

9. A transaction coordinating method applicable at inserting  
a spot transaction based on a temporary contract without  
respect to a fixed transaction based on a contract of

predetermined term, wherein

5 a schedule of commodity transportation relating to said fixed transaction is set and data associated with transportation is stored in advance,

a party on one side of said spot transaction deliveries conditions relating to said spot transaction with respect to a  
10 party on the other side of said spot transaction,

data associated with said transportation and conditions of said spot transaction are read in the event that said spot transaction is organized based on delivered conditions of said spot transaction, and

15 an insertion of cargo transportation of said spot transaction adjusting the schedule of commodity transportation of said fixed transportation is arranged based on the read data associated with said transportation and the conditions of said spot transaction.

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10. A transaction coordinating method as claimed in claim 8, wherein an arrangement of insertion of cargo transportation of said spot transaction is conducted sequentially by;

a first stage of arranging an insertion of cargo transportation  
5 of said spot transaction without changing said transportation schedule,

a second stage of arranging an insertion of cargo transportation of said spot transaction by changing said transportation schedule in the event that the first stage  
10 arrangement is impossible,

a third stage of arranging an insertion of cargo transportation

of said spot transaction by changing another transportation schedule within a certain range in the event that the first and second stage arrangement is impossible,

- 15 and a fourth stage of arranging an insertion of cargo transportation of said spot transaction by changing another transportation schedule within an range to which said certain range is expanded in the event that the first, second and third arrangement is impossible.

11. A transaction coordinating method as claimed in claim 8, wherein said transaction commodity is liquefied natural gas and cases containing said liquefied natural gas transported on the sea or on road are used in said transportation.

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12. A transaction coordinating method as claimed in claim 11 for adjusting an insertion of cargo transportation of said spot transaction based on at least predetermined number of days of operation and actually required minimum number of days of  
5 operation of said cases.

13. An information recording medium storing a program for inserting a spot transaction based on a temporary contract with respect to a fixed transaction based on a contract of predetermined term, wherein a program is stored for executing

5 steps of;

reading previously stored data associated with transportation in the event that said spot transaction arises, and

adjusting an insertion of cargo transaction relative to said spot transaction with respect to the schedule of cargo

10 transportation relative to said fixed transaction of  
predetermined term based on the read data associated with  
said transportation.

14. An information recording medium storing a program for  
inserting a spot transaction based on a temporary contract with  
respect to a fixed transaction based on a contract of  
predetermined term, wherein a program is stored for executing  
5 steps of;

delivering conditions relative to said spot transaction from a  
party on one side of said spot transaction with respect to a  
party on the other side of said spot transaction

reading the previously stored data associated with the  
10 transportation and conditions of said spot transaction in the  
event that said spot transaction is organized based on the  
delivered conditions of said spot transaction, and

adjusting an insertion of cargo transportation relative to said  
spot transaction with respect to the previously set schedule of  
15 cargo transportation relative to said fixed transaction based on  
the read data associated with said transportation and the  
contracts of said spot transaction.

15. An information recording medium as claimed in claim 13,  
wherein a program is stored for executing adjustment of an  
insertion of cargo transportation of said spot transactions  
sequentially by;

5 a first step of adjusting an insertion of cargo transportation  
of said spot transaction without changing said transportation

schedule,

a second step of adjusting an insertion of cargo transportation of said spot transaction by changing said transportation  
10 schedule in the event that the adjustment is impossible,

a third step of adjusting an insertion of cargo transportation of said spot transaction by changing another transportation schedule within a certain range in the event that the adjustment is impossible, and

15 a fourth step of adjusting an insertion of cargo transportation of said spot transaction by changing another transportation schedule within an range to which said certain range is expanded in the event that the adjustment is impossible.

16. An information recording medium as claimed in claim 13, wherein said transaction commodity is liquefied natural gas and cases containing said liquefied natural gas transported on the sea or on road are used in said transportation.

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17. An information recording medium as claimed in claim 16 for adjusting an insertion of cargo transportation of said spot transaction based on at least predetermined number of days of operation and actually required minimum number of days of  
5 operation of said cases.

18. A program product for inserting a spot transaction based on a temporary contract with respect to a fixed transaction based on a contract of predetermined term, wherein

means for reading previously stored data associated with

5 transportation in the event said spot transaction arises,  
means for adjusting an insertion of cargo transportation  
relative to said spot transaction with respect to the previously  
set schedule of single and /or plural cargo transportation  
relative to said fixed transaction based on the read data  
10 associated with said transportation are provided in order to be  
executed in a computer.

19. A program product for inserting a spot transaction based  
on a temporary contract with respect to a fixed transaction  
based on a contract of predetermined term, wherein

means of delivering conditions relative to said spot  
5 transaction form a party on one side of said spot transaction  
with respect to a party on the other side of said spot  
transaction,

means for reading previously stored data associated with  
transportation and conditions of said spot transaction in the  
10 event that said spot transaction is organized based on the  
delivered conditions of said spot transaction, and

means for adjusting an insertion of cargo transportation  
relative to said spot transaction with respect to the schedule of  
single and/or plural cargo transportation relative to said preset  
15 fixed transportation based on the read data associated with  
said transportation and the conditions of said spot transaction  
are provided in order to be executed in a computer.

20. A program product as claimed in claim 18, wherein a  
program is stored in order to be executed in a computer



sequentially by;

first means for adjusting an insertion of cargo transportation  
5 of said spot transaction without changing said transportation  
schedule,

second means for adjusting an insertion of cargo  
transportation of said spot transaction by changing said  
transportation schedule in the event that the adjustment is  
10 impossible,

third means for adjusting an insertion of cargo transportation  
of said spot transaction by changing another transportation  
schedule within a certain range in the event that the  
adjustment is impossible, and

15 fourth means for adjusting an insertion of cargo  
transportation of said spot transaction by changing another  
transportation schedule within an range to which said certain  
range is expanded in the event that the adjustment is  
impossible.

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21. A program product as claimed in claim 20, wherein said  
transaction commodity is liquefied natural gas and cases  
containing said liquefied natural gas transported on the sea or  
on road are used in said transportation.

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22. A program product as claimed in claim 21 for adjusting an  
insertion of cargo transportation of said spot transaction based  
on at least predetermined number of days of operation and  
actually required minimum number of days of operation of said  
5 cases.